

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	5125	385/47,48,49,15.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 10:45
S2	0	S1 and ((optoelectronic or optoelectric or (opto near2 (electronic or electric or electrical)) or (optical near2 (electronic or electric or electrical)) or (optical near2 (electronic or electric or electrical))) same (emitter or detector or diode) same (lens) same (reflector or mirror or reflecors or mirrors) same ((fiber or lightguide or (light near2 guide) or waveguide or (wave near2 guide) or (light near2 conductor)) near3 ((embedded or buried or suspended or between or middle) near3 (layer or layers or surface or surfaces))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 10:53
S3	66	S1 and ((optoelectronic or optoelectric or (opto near2 (electronic or electric or electrical)) or (optical near2 (electronic or electric or electrical)) or (optical near2 (electronic or electric or electrical))) and (emitter or detector or diode) and (lens) and (reflector or mirror or reflecors or mirrors) and ((fiber or lightguide or (light near2 guide) or waveguide or (wave near2 guide) or (light near2 conductor)) near4 ((embedded or buried or suspended or between or middle) near4 (layer or layers or surface or surfaces))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 13:10
S4	101	S1 and ((emitter or detector or diode) and (lens) and (reflector or mirror or reflecors or mirrors) and ((fiber or lightguide or (light near2 guide) or waveguide or (wave near2 guide) or (light near2 conductor)) near4 ((embedded or buried or suspended or between or middle) near4 (layer or layers or surface or surfaces))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 11:28

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S5	35	S4 NOT S3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 11:21
S6	5125	385/47,48,49,15.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 13:11
S7	3	S6 and (((emitter or detector or diode) near3 (hole or recess or trench)) and (lens) and (reflector or mirror or reflecors or mirrors) and ((fiber or lightguide or (light near2 guide) or waveguide or (wave near2 guide) or (light near2 conductor)) near4 ((embedded or buried or suspended or between or middle) near4 (layer or layers or surface or surfaces))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 13:42
S8	5	("20020025122" "4948960" "5195150" "5668386" "5907650").PN. OR ("6862388").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/16 11:31
S9	32	("4122479" "4843448" "5027171" "5416043" "5492857" "5493437" "5550380" "5572040" "5596205" "5600169" "5605856" "5663570" "5764832" "5858814" "5861336" "5863823" "5883396" "5895957" "5920233" "5923951" "5930638" "5973363" "5973382" "6005262" "6034431" "6057555" "6081638" "6243508" "6257772" "6389202" "6466349" "6504977").PN. OR ("6869229").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/16 11:34
S10	2	("5195154" "6456766").PN. OR ("6944377").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/16 11:40
S11	11	("5764832" "5786925" "5872880" "6205274" "6264377").PN. OR ("6389202").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/16 11:42

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S12	35	("3081168" "4136928" "4376160" "4461535" "4564584" "4655876" "4732446" "4751171" "4869780" "5170448" "5279924" "5366849" "5480764").PN. OR ("5786925").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/16 11:44
S13	21	("5786925").URPN.	USPAT	OR	ON	2005/09/16 11:47
S14	13	"385"/\$.ccls. and (((emitter or detector or diode) near3 (hole or recess or trench)) and (lens) and (reflector or mirror or reflecors or mirrors) and ((fiber or lightguide or (light near2 guide) or waveguide or (wave near2 guide) or (light near2 conductor))) near4 ((embedded or buried or suspended or between or middle) near4 (layer or layers or surface or surfaces))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 13:06
S15	0	("2004/0264838").URPN.	USPAT	OR	ON	2005/09/16 11:49
S16	20	(((emitter or detector or diode) near3 (hole or recess or trench)) and (lens) and (reflector or mirror or reflecors or mirrors) and ((fiber or lightguide or (light near2 guide) or waveguide or (wave near2 guide) or (light near2 conductor))) near4 ((embedded or buried or suspended or between or middle) near4 (layer or layers or surface or surfaces))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 13:07
S17	0	("2005/0201707").URPN.	USPAT	OR	ON	2005/09/16 13:09
S18	66	S6 and ((optoelectronic or optoelectric or (opto near2 (electronic or electric or electrical)) or (optical near2 (electronic or electric or electrical)) or (optical near2 (electronic or electric or electrical))) and (emitter or detector or diode) and (lens) and (reflector or mirror or reflecors or mirrors) and ((fiber or lightguide or (light near2 guide) or waveguide or (wave near2 guide) or (light near2 conductor))) near4 ((embedded or buried or suspended or between or middle) near4 (layer or layers or surface or surfaces))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 13:11

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S19	858	385/47.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 13:41
S20	480	385/48.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 13:34
S21	428	S20 not S19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 13:34
S22	1505	385/49.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 13:41
S23	1497	S22 not (S19 and S20)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 13:41
S24	2	S23 and (((emitter or detector or diode) near3 (hole or recess or trench)) and (lens) and (reflector or mirror or reflectors or mirrors) and ((fiber or lightguide or (light near2 guide) or waveguide or (wave near2 guide) or (light near2 conductor)) near4 ((embedded or buried or suspended or between or middle) near4 (layer or layers or surface or surfaces))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 13:45
S25	3	S23 and (((emitter or detector or diode) near3 (hole or recess or trench)) and (lens) and (reflector or mirror or reflectors or mirrors))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 13:43
S26	3	S23 and (((emitter or detector or diode) near3 (hole or recess or trench)) and (lens) and (reflector or mirror or reflectors or mirrors))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 13:44

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S27	5	S23 and (((emitter or detector or diode) near3 (hole or recess or trench or tranches or holes or recesses or gap or gaps)) and (lens) and (reflector or mirror or reflectors or mirrors))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 13:44
S28	5	S23 and (((emitter or detector or diode) near3 (hole or recess or trench or trenches or holes or recesses or gap or gaps)) and (lens) and (reflector or mirror or reflectors or mirrors))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 13:44
S29	274	S23 and ((fiber or lightguide or (light near2 guide) or waveguide or (wave near2 guide) or (light near2 conductor)) near4 ((embedded or buried or suspended or between or middle) near4 (layer or layers or surface or surfaces)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 16:56
S30	0	(alexi adj Glebov).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 14:05
S31	934	(Glebov).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 14:05
S32	19	S31 and ("385"/\$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 14:10
S33	2	"6684007".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 14:11
S34	3	"6611635".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 14:12
S35	2	"6556734".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 14:12

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S36	2	"6208791".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 14:12
S37	5	"6785447"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 14:13
S38	2	"6706546".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 14:14
S39	2	"5263111".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 14:15
S40	2	"6539143".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 14:15
S41	2	("5195154" "6456766").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/16 14:20
S42	0	("6944377").URPN.	USPAT	OR	ON	2005/09/16 14:20
S43	2	("5195154" "6456766").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/16 14:30
S44	0	("6944377").URPN.	USPAT	OR	ON	2005/09/16 14:30
S45	5	("5764832" "5786925" "5872880" "6205274" "6264377").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/16 14:33
S46	14	("3081168" "4136928" "4376160" "4461535" "4564584" "4655876" "4732446" "4751171" "4869780" "5170448" "5279924" "5366849" "5480764").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/16 14:35
S47	93	("3968564" "4188708" "4225213" "4373778" "4432604" "4465333" "4485391" "4553811" "4553813" "4585300" "4611886").PN. OR ("4732446"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/16 16:20

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S48	42420	Uchida.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 16:56
S49	0	(Toshi adj Uchida).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 16:56
S50	848	S48 and (ito.in.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 16:57
S51	3	S50 and ("385"/\$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 16:57
S52	2384	(conical near3 reflector)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/18 17:28
S53	46	S52 and ("385"/\$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/18 17:29
S54	20	S53 and circuit	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/18 17:29
S55	9729	(conical or rounded or round or cylindrical or spherical) near3 reflector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/18 17:31
S56	2705	S55 and circuit	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/18 17:29
S57	73	S56 and ("385"/\$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/18 17:32

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S58	17118828	S57 n ot S54	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/18 17:29
S59	53	S57 not S54	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/18 17:29
S60	304	((conical or rounded or round or cylindrical or spherical) near3 reflector) and ((deflected or deflect or reflect or reflected or direct or directed) near3 (radial or radially))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/18 17:31
S61	6	S60 and circuit and ("385"/\$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/18 17:32
S62	0	("385"/\$.ccls.) and (optical and device and emit and detect and first and path and circuit and electronic and drive and signals and reflector and second and path and main and circuit and board and radially and redirect and transverse and (convex or conical or (paraboloif and revolution) or pyramidal)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/27 10:43
S63	0	("385"/\$.ccls.) and (optical and device and emit and detect and first and path and circuit and electronic and drive and signals and reflector and second and path and main and circuit and board and radially and redirect and transverse and lenses and interposed and unitary).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/27 10:43
S64	12	"20020176671" or ("3777154" or "6233376" or "6257771" or "6427034" or "6439895").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/25 08:44
S65	0	S64 and ((radial or concave or convex or conical or pyramid or cone) near5 (reflect\$4 or mirror))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/25 08:45